



100 % / permanent

Full-Stack Software Engineer

IDUN Technologies Ltd. is a swiss based ETH-Spinoff founded in November 2017. We bring neurotechnology into earbuds to create the most intuitive neural interface to date. Our Guardian Neuro-Intelligence Platform is a closed-loop system which translates brain waves to actionable insights and our partners turn these insights into interventions to promote mental health and wellbeing.

The Opportunity

We're looking for a versatile engineer who can help accelerate our plans for the Internet of Humans by utilizing in-ear brain-machine interfaces. As a software engineer on the cloud software team, you will write software that interacts with our in-ear electroencephalogram (EEG) sensor, as well as systems for machine learning and development operations. You will also collaborate directly with an exceptional team of data scientists, neuroscientists, electrical and firmware engineers to define and implement our software efforts.

Your Background

You are an expert in your field with a proven track record in a full-stack position and have a keen interest in neurotechnology.

- 3+ years of experience developing API-focused web services
- 3+ years of hands-on experience with cloud computing, backend and frontend engineering, and/or API/SDK development
- Experience coding in test-driven TypeScript and Python
- Experience in time-series, in-memory, relational and document databases that work in real-time focused architectures
- Ideally, previous experience working in research-driven and interdisciplinary environments operating with hardware/IoT
- Knowledgeable in modern web technologies such as Progressive Web Apps (e.g. service workers), WebAssembly (e.g. Python to Wasm), WebBluetooth (BLE), WebSocket etc.
- js frontends and Capacitor.js native app builds
- Containerized microservices and message queues
- AWS and Infrastructure as Code with Terraform
- GraphQL APIs with FastAPI and Nest.js
- Experience in C/C++ or Rust is a plus
- GitHub with GitHub Actions

Your Mindset

You enjoy having in-depth discussions about tough problems and fine-tuning designs, but you understand that in the end, it all boils down to delivering a production-ready solution that works every time.

You are a resourceful member of an interdisciplinary and communicative team and are flexible and adaptable; no task is too big or too small and you get excited about technical challenges nobody has solved before.

You have the freedom and responsibility to make your own decisions and tackle your tasks in your way. We will care for you and your happiness at IDUN and we will always listen to your inputs.

Please send your application (letter of motivation & CV) to: hr@iduntechnologies.com
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